

In the Claims:

Please amend the claims as indicated below and add new claims 7-13. This listing of claims replaces all prior versions.

1. (currently amended) An arrangement using a primary battery for charging a plurality of equipment batteries configured electrically in and for operation in a trailered equipment, the arrangement comprising:

a cable for electrically connecting the primary battery with the plurality of equipment batteries; and

a charging circuit that is adapted to charge the equipment batteries by automatically alternating a power connection from the primary battery to each of the equipment batteries, one battery at a time.

2. (currently amended) The arrangement of claim 1, further including a wiring harness assembly that is adapted to permit charging of the plurality of equipment batteries while the batteries are being towed, and that includes the cable.

3. (original) The arrangement of claim 2, wherein the charging circuit automatically stops charging one of the equipment batteries and begins charging another of the equipment batteries according to a circuit-defined time interval.

4. (original) The arrangement of claim 2, wherein the charging circuit automatically stops charging one of the equipment batteries and begins charging another of the equipment batteries according to a user-established time interval.

5. (original) The arrangement of claim 2, wherein the charging circuit automatically stops charging one of the equipment batteries and begins charging another of the equipment batteries in response to an indication that said one of the equipment batteries has reached a sufficiently-charged threshold level.

6. (original) The arrangement of claim 2, wherein the charging circuit automatically stops charging one of the equipment batteries and begins charging another of the equipment batteries at a time that is defined as a function of a user-defined expected travel time.

7. (new) A vehicle-trailer arrangement for charging a plurality of equipment batteries configured electrically in and for operation in a trailered equipment, the arrangement comprising:

a vehicle battery; and

charging means for automatically charging the equipment batteries using an alternating power connection from the vehicle battery to each of the equipment batteries, one battery at a time.

8. (new) A vehicle-trailer arrangement using a primary battery located in a towing vehicle adapted to tow the trailered equipment, the arrangement for charging a plurality of trailered equipment batteries in a trailered vehicle configured electrically in and for operation of at least one accessory adapted to be operated in the trailered equipment, the arrangement comprising:

an electrical harness; and

a charging circuit adapted to use the electrical harness to charge the trailered equipment batteries by automatically alternating a power connection from the primary battery to each of the trailered equipment batteries, one battery at a time.

9. (new) The arrangement of claim 8, further including a data communications link adapted to provide feedback to the charging circuit.

10. (new) The arrangement of claim 8, further including a data communications link adapted to provide feedback to the charging circuit, and wherein the charging circuit automatically stops charging one of the equipment batteries and begins charging another of the equipment batteries in response to an indication received via the data

communications link that said one of the equipment batteries has reached a sufficiently-charged threshold level.

11. (new) The arrangement of claim 8, further including feedback means for providing feedback data from the equipment batteries to the charging circuit, and wherein the charging circuit automatically stops charging one of the equipment batteries and begins charging another of the equipment batteries in response to the feedback means.

12. (new) The arrangement of claim 1, wherein the charging circuit is adapted to charge three equipment batteries, one at a time.

13. (new) The arrangement of claim 12, wherein at least two of the three equipment batteries are arranged in series.